

Marquart, Janet R.

From: Melsha, Joe [Joe.Melsha@iberdrolausa.com]
Sent: Thursday, January 08, 2009 5:01 PM
To: Lein, Jerry R.
Cc: Seck, Timothy; dekuhns@hotmail.com; -Grp-PSC Commissioners; -Grp-PSC Public Utilities; -Grp-PSC Legal; Fletcher, Raymond; Dennis Kuhns
Subject: RE: Notification of Turbine Relocation(s)

Thank you Jerry.

Thank you,
Joe Melsha



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From: Lein, Jerry R. [mailto:jlein@nd.gov]
Sent: Thursday, January 08, 2009 1:30 PM
To: Melsha, Joe
Cc: Seck, Timothy; dekuhns@hotmail.com; -Grp-PSC Commissioners; -Grp-PSC Public Utilities; -Grp-PSC Legal
Subject: RE: Notification of Turbine Relocation(s)

Dear Mr. Melsha:

In accordance with paragraph 27 of the Commission's Order issuing the site permit for the Rugby Wind Farm, please consider this e-mail to be staff approval of the turbine structure location changes as described below and in the attached turbine coordinates and constraints map. Please let me know if I can be of further assistance.

Sincerely,

Jerry Lein
701 28-1035

From: Lein, Jerry R.
Sent: Tuesday, December 23, 2008 9:18 AM
To: -Grp-PSC Commissioners
Cc: -Grp-PSC Public Utilities; -Grp-PSC Legal
Subject: FW: Notification of Turbine Relocation(s)

Commissioners:

This is to let you know that unless I hear of any concerns or objections by Wednesday, December 31st, I plan to issue staff approval of Iberdrola's turbine location changes.

Thanks.

119 PU-05-47 Filed 01/14/2009 Pages: 4
Staff Approval of Changes to Turbine Structure Locations
Public Service Commission

Jerry Lein

From: Melsha, Joe [mailto:Joe.Melsha@iberdrolausa.com]
Sent: Monday, December 22, 2008 1:29 PM
To: Lein, Jerry R.
Cc: Phillips, Norm; Seck, Timothy; Dennis Kuhns; Fletcher, Raymond; Melsha, Joe
Subject: RE: Notification of Turbine Relocation(s)

Jerry, I've attached the latest proposed turbine coordinate list. This list also provides the cross reference numbers (the numbering system was changed a few months ago to make locations more site area specific).

I've also attached the latest constraints map that has both numbers referenced.

J-2 was relocated slightly north to avoid the foundation located with a statutory Right of Way. At this time, there is no road in this area, but our team thought it wise to move the turbine slightly to ensure that the foundation did not lie within this right of way. Because J-2 was relocated, J-3 had to be relocated to maintain a minimum of three rotor diameters between adjacent turbines (i.e. 264 meter spacing). If we don't maintain this spacing, Suzlon will initiate "sector management" which basically means that if the wind is blowing from a particular direction (usually covers an entire quadrant) the adjacent turbine will be shut down due to wake effects from one turbine to the other that could damage the turbine that is down wind. Obviously, sector management is something that we strive to avoid due to lost revenue and possible damage to adjacent turbines.

Hope this helps. Have a Great Holiday Season.

Thank you,
Joe Melsha



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From: Dennis Kuhns [mailto:dekuhns@hotmail.com]
Sent: Thursday, December 18, 2008 4:34 PM
To: Melsha, Joe; Fletcher, Raymond
Cc: Phillips, Norm; Seck, Timothy
Subject: FW: Notification of Turbine Relocation(s)

Good Day Mr. J. Melsha & Mr. R. Fletcher: See forwarded email from Mr. J. Lein of the North Dakota PSC. I didn't include Mr. C. Eken of Wanzek as I thought you would be the best one to provide clarification to Mr. J. Lein. Dennis

Dennis E. Kuhns
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From: jlein@nd.gov
To: dekuhns@hotmail.com
Date: Thu, 18 Dec 2008 16:15:38 -0600
Subject: RE: Notification of Turbine Relocation(s)

Dear Mr. Kuhns:

Thank you for your request for approval of turbine location changes in accordance with paragraph 27 of the Commission's Order issuing the site permit, which states:

27. PPM shall obtain approval from the Commission or from Commission staff prior to any changes in structure locations.

I am having difficulty determining which turbines you are requesting to move because the latest map on file with the Commission (see attached) appears to use a different labeling format for the turbines. There are no G,R,J,N or Q turbine labels. Can you please let me know which turbines on the attached map are being moved? If possible, a single map showing the changes would be most helpful.

Also, I did not receive distance/direction narrative regarding J-2 and J-3. And I'd appreciate if you could please explain the 3 rotor minimum that Sulzon requires.

Thanks.

Jerry Lein
701 328-1035

From: Bauske, Shelly A.
Sent: Wednesday, December 03, 2008 12:53 PM
To: Hamre, John G.; Lein, Jerry R.
Subject: FW: Notification of Turbine Relocation(s)

From: Dennis Kuhns [mailto:dekuhns@hotmail.com]
Sent: Wednesday, December 03, 2008 12:44 PM
To: -Info-Public Service Commission
Subject: Notification of Turbine Relocation(s)

Good Day Mr. J. Lein: In accordance with our conversation yesterday (12-02-08), I wanted to be sure that you are up to date and current with the status of Turbine Relocations here at Rugby Wind LLC. I apologize for any confusion concerning the reporting of these to the NDPSC. Iberdrola maintains an open and transparent business ethic as we value our Landowners and the Agencies and Governments who enable us to construct and operate our Wind Farms. If you require any further information, please let me know. Thank-you, Dennis

Here is a list of the turbines that have been relocated and the reason that they were relocated.

A-3 – 50' Due North to help stay clear and out of the wetland areas.

R-4 – 50' Due West to help stay clear and out of the cultural resource area.

A-1 got moved to the G-7 location because of the A-1 location was not constructible.

N-1 – 50' WNW for constructability and deliveries.

J-2 – Because of the 3 rotor minimum that Sulzon requires, the distance or direction was sent to you earlier.

J-3 – Because of the 3 rotor minimum that Sulzon requires, the distance or direction was sent to you earlier.

Q-3 – 50' Due South to help with constructability for the road alignment with the field and for the road to access the turbine.

Dennis E. Kuhns
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